20. Flue Dilution Extract Fans

FDEF-T14-01/02

A) System Description

System consists of (1 Duty + 1 Standby) of fans installed on level T14.

The function of these fans is to dilute the flue gases from the boiler flue duct by mixing fresh air before releasing it to atmosphere.

B) Fan monitoring

BMS shall only monitor the Flue Dilution Extract fans.

The following points shall be monitored by BMS:

i) Fan in 'Auto' status (each fan)
ii) Fan run status (each fan)
iii) Fan trip status (each fan)

C) Alarms

The followings alarms shall be raised on BMS

S.NO.	ALARM	PRIORITY
1	Fan 'Not in Auto' alarm (each fan)	Low
2	Fan failed to run alarm (each fan, during fire alarm condition)	High
3	Fan trip alarm (each fan)	High
4	Fan maintenance alarm (each fan)	Low

Note:- Maintenance alarms shall be raised based on run hours.